



Form PTO-1449 (modified)

Atty. Docket No.

Serial No.

UTSD:483USD1/SLH

09/933,497

List of Patents and Publications of Applicant's

Applicant

Elizabeth Sally Ward

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:

August 20, 2001

Group:

Unknown 1644

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
201	B1	WO 93/22332	11-11-93	PCT	/	/	
	B2	WO 94/04689	03-03-94	PCT	/	/	
	B3	EP 0 327 378	8-9-89	Europe	/	/	

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
201	C1	Ames, Prody, Kustu, "Simple, rapid and quantitative release of periplasmic proteins by chloroform," <i>J. Bacteriol.</i> , 160:1181-1183, 1984.
	C2	Brambell, Hemmings, Morris, "A theoretical model of gammaglobulin catabolism", <i>Nature</i> , 203:1352-1355, 1964.
	C3	Burmeister, Huber, Bjorkman, "Crystal structure of the complex of rat neonatal Fc receptor with Fc", <i>Nature</i> , 372:379-383, 1994.
	C4	Deisenhofer, "Crystallographic refinement and atomic models of human Fc Fragment and its complex from fragment B of protein A from <i>Staphylococcus aureus</i> at 2.9 and 2.8 Å resolution", <i>Biochemistry</i> , 20:2361-2370, 1981.
	C5	Duncan, Winter, "The binding site for C1q on IgG", <i>Nature</i> , 332:738-740, 1988.
	C6	Duncan, Woof, Partridge, Burton, Winter, "Localization of the binding site for the human high affinity Fc receptor on IgG", <i>Nature</i> , 332:563-564, 1988.
	C7	Edelman, Cunningham, Gall, Gottlieb, Rutishauser, Waxdal, "The covalent structure of an entire $\gamma$ G molecule", <i>Proc. Natl. Acad. Sci., USA</i> , 63:78-85, 1969.
	C8	Ghetie, Hubbard, Kim, Tsen, Lee, Ward, "Abnormally short serum half-lives of IgG in $\beta$ 2-microglobulin deficient mice", <i>Eur. J. Immunol.</i> , 26:690-696, 1996.

25078788.1

EXAMINER:

David A. Saunders

DATE CONSIDERED:

3/20/03

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

TECH CENTER 160012300

DEC 06 2001

RECEIVED

BEST AVAILABLE COPY

Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.

UTSD:483USD1/SLH

Serial No.

09/933,497

Applicant

Elizabeth Sally Ward

Filing Date:

August 20, 2001

Group:

Unknown

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
<i>See</i>	C9	Hoogenboom, Griffiths, Johnson, Chiswell, Hudson, Winter, "Multisubunit proteins on the surface of filamentous phage: methodologies for displaying antibody (Fab) heavy and light chains", <i>Nucl. Acids Res.</i> , 19:4133-4137, 1991.
	C10	Horton, Hunt, Ho, Pullen, Pease, "Engineering hybrid genes without the use of restriction enzymes: gene splicing by overlap extension", <i>Gene</i> , 77:61-68, 1989.
	C11	Israel, Patel, Taylor, Marshak-Rothstein, Simister, "Requirement for a $\beta$ 2-microglobulin associated Fc receptor for acquisition of maternal IgG by fetal and neonatal mice", <i>J. Immunol.</i> , 154:6246-6251, 1995.
	C12	Israel, Wilsker, Hayes, Schoenfeld, Simister, "Increased clearance of IgG in mice that lack $\beta$ 2-microglobulin: possible protective role for FcRn", <i>Immunol.</i> , 89:573-578, 1996.
	C13	Junghans, Anderson, "The protection receptor for IgG catabolism is the $\beta$ 2-microglobulin-containing neonatal intestinal transport receptor", <i>Proc. Natl. Acad. Sci. USA</i> , 93:5512-5516, 1996.
	C14	Kabat, Wu, Perry, Gottesman, Foeller, "Sequences of proteins of immunological interest", U.S. Department of Health and Human Services, 1991.
	C15	Kim et al., "Catabolism of the Murine IgG1 Molecule: Evidence that Both CH2-CH3 Domain Interfaces are Required for Persistence of IgG1 in the Circulation of Mice," <i>Scand. J. Immunol.</i> , 40:457-465, 1994.
	C16	Kim et al., "Evidence That the Hinge Region Plays a Role in Maintaining Serum Levels of the Murine IgG1 Molecule," <i>Mol. Immunol.</i> , 32(7):467-475, 1995.
	C17	Kim, Tsen, Ghetie, Ward, "Identifying amino acid residues that influence plasma clearance of mouse IgG1 fragments by site directed mutagenesis", <i>Eur. J. Immunol.</i> , 24:542-548, 1994.
	C18	Kim, Tsen, Ghetie, Ward, "Localization of the site of the murine IgG1 molecule that is involved in binding to the murine intestinal Fc receptor", <i>Eur. J. Immunol.</i> , 24:2429-2434, 1994.
	C19	Kristoffersen, Matre, "Co-localisation of the neonatal Fc receptor and IgG in human placental term syncytiotrophoblast", <i>Eur J. Immunol.</i> , 26:1668-1671, 1996.
	C20	Leach, Sedmark, Osborne, Rahill, Lairmore, Anderson, "Isolation from human placenta of the IgG transporter, FcRn, and localization to the syncytiotrophoblast", <i>J. Immunol.</i> , 157:3317-3322, 1996.

25078788.1

EXAMINER:

*David A. Saunders*

DATE CONSIDERED:

*3/20/03*

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

RECEIVED

DEC 06 2001

TECH CENTER 1600/2900

AVAILABLE COPY

Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

Atty. Docket No.

UTSD:483USD1/SLH

Serial No.

09/933,497

Applicant

Elizabeth Sally Ward

Filing Date:

August 20, 2001

Group:

Unknown

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
<i>JS</i>	C21	Marks, Hoogenboom, Bonnett, McCafferty, Griffiths, Winter, "By-passing immunisation: human antibodies from V-gene libraries displayed on phage", <i>J. Mol. Biol.</i> , 222:581-597, 1991.
	C22	Medesan, Matesoi, Radu, Ghetie, Ward, "Delineation of the amino acid residues involved in transcytosis and catabolism of mouse IgG1", <i>J. Immunol.</i> , in press, 1997.
	C23	Medesan, Radu, Kim, Ghetie, Ward, "Localization of the site of the IgG molecule that regulates maternofetal transmission in mice", <i>Eur. J. Immunol.</i> , 26:2533-2536, 1996.
	C24	Popov, Hubbard, Kim, Ober, Ghetie, Ward, "The stoichiometry and affinity of interaction of murine Fc fragments with the MHC class I-related receptor, FcRn", <i>Mol. Immunol.</i> , 33:521-530, 1996.
	C25	Raghavan, Bonagura, Morrison, Bjorkman, "Analysis of the pH dependence of the neonatal receptor/immunoglobulin G interaction using antibody and receptor variants", <i>Biochemistry</i> , 34:14649-14657, 1995.
	C26	Roberts, Guentert, Rodewald, "Isolation and characterisation of the Fc receptor from the fetal yolk sac of the rat", <i>J. Cell Biol.</i> , 111:1867-1876, 1990.
	C27	Rodewald, Kraehenbuhl, "Receptor-mediated transport of IgG", <i>J. Cell Biol.</i> , 99:154s-164s, 1984.
	C28	Sarmay, Lund, Rozsnyay, Gergely, Jefferis, "Mapping and comparison of the interaction sites on the Fc region of IgG responsible for triggering antibody dependent cellular cytotoxicity (ADC) through different types of human Fc receptor", <i>Mol. Immunol.</i> , 29:633-639, 1992.
	C29	Simister, Story, Chen, Hunt, "An IgG-transporting Fc receptor expressed in the syncytiotrophoblast of human placenta", <i>Eur. J. Immunol.</i> , 26:1527-1531, 1996.
	C30	Story, Mikulska, Simister, "A major histocompatibility complex class I-like Fc receptor cloned from human placenta: possible role in transfer of immunoglobulin G from mother to fetus", <i>J. Exp. Med.</i> , 180:2377-2381, 1994.
	C31	Wallace, Rees, "Studies on the Immunoglobulin-G Fc fragment receptor from neonatal rat small intestine", <i>Biochem. J.</i> , 188:9-16, 1980.
<i>✓</i>	C32	Ward, "Secretion of soluble T cell receptor fragments from recombinant <i>Escherichia coli</i> cells," <i>J. Mol. Biol.</i> , 224:885-890, 1992.

25078788.1

EXAMINER:

*David A. Saunders*

DATE CONSIDERED:

*3/20/03*

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

RECEIVED  
DEC 06 2001  
TECH CENTER 1600/2900

BEST AVAILABLE COPY



Form PTO-1449 (modified)

Atty. Docket No.

Serial No.

UTSD:483USD1/SLH

09/933,497

List of Patents and Publications for Applicant's

Applicant

Elizabeth Sally Ward

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:

August 20, 2001

Group:

Unknown

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
<i>Del</i>	C33	Ward, "VH shuffling can be used to convert an Fv fragment of anti-hen egg lysozyme specificity to one that recognizes a T cell receptor V $\alpha$ ," <i>Mol. Immunol.</i> , 32:147-156, 1994.
<i>f</i>	C34	Ward, Guessow, Griffiths, Jones, Winter, "Binding activities of a repertoire of single immunoglobulin variable domains secreted from <i>Escherichia coli</i> ," <i>Nature</i> , 341:544-546, 1989.
<i>f</i>	C35	Batra, <i>et al.</i> , "Insertion of Constant Region Domains of Human IgG <sub>1</sub> into CD4-PE40 Increases its Plasma Half-Life," <i>Molecular Immunology</i> , 30(4):379-386, 1993.
<i>f</i>	C36	Wawrzynczak, <i>et al.</i> , "Blood Clearance in the Rat of a Recombinant Mouse Monoclonal Antibody Lacking the N-Linked Oligosaccharide Side Chains of the C <sub>H</sub> 2 Domains," <i>Molecular Immunology</i> , 29(2):213-220, 1992.
<i>f</i>	C37	International Search Report dated August 7, 1997 (PCT/US97/03321)

25078788.1

EXAMINER:

*David A. Saunders*

DATE CONSIDERED:

*3/20/03*

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

RECEIVED  
DEC 06 2001  
TECH CENTER 1600/2900

BEST AVAILABLE COPY